

Microbiology (Enteric)

***Campylobacter* spp. Culture Isolation/Identification**

Specimen Requirements: Stool in submitted in Cary-Blair transport or culture isolate on solid media.

Turn Around Time: 3 to 5 working days. Positive results are telephoned to the submitter.

CPT Code: 87046 (Culture ID)
Price: \$13.75

87077 (Each add'l ID)
Price: \$18.25

Transport Temperature: 2-8°C for stool specimens, ambient for isolates

Cholera (see *Vibrio* Culture Isolation/ Identification)

EHEC, Enterohemorrhagic *E. coli* (see *Escherichia coli* Shiga-Like Toxin Assay or Enteric Panel)

Enteric Panel Culture Isolation/ Identification (includes *Salmonella*, *Shigella*, *Campylobacter*, *E. coli* O157 and EHEC)

Specimen Requirements: Stool in Cary-Blair transport, or other commercial enteric transport media. Collect stool directly from patient into a clean specimen container. Do not collect from toilet bowl or use stool contaminated with urine. Use a sterile swab to collect a portion of the stool (collect from bloody or mucous-containing areas if present) and insert swab to the lower part of a Cary-Blair transport tube and break or cut the swab stick. A rectal swab is also acceptable if there is evidence of fecal staining on the swab. Cary-Blair transport tubes are supplied upon request.

Escherichia coli Shiga-Like Toxin Assay will be performed on all specimens. Stools with positive toxin tests will be further cultured to isolate and identify the toxin-producing organism.

Turn Around Time: 2 to 4 working days. Positive test results are telephoned to the submitter.

CPT Codes: 87046 (*E. coli*)
Price: \$13.75

87046 (*Campy* culture)
Price: \$13.75

Total Price: \$65.00

87045 (*Salm.* and *Shig.* culture)
Price: \$13.75

CPT Code (EHEC): 87449
Price: \$23.75

87077 (Each add'l ID)
Price: \$18.25

Transport Temperature: 2-8°C

Enteric Isolate Surveillance

Specimen Requirements: All isolates of shiga-toxin producing *Escherichia coli* (including serotype O157:H7), *Salmonella* spp., *Shigella* spp., *Vibrio*, and *Listeria* should be referred for surveillance purposes.

Confirmation of isolates is performed and results are reported to submitter. In addition, PFGE testing (DNA fingerprinting) will be performed to determine strain-relatedness; results are compared to other strain patterns in Montana and across the nation using the CDC PulseNet database. Results are communicated to the DPHHS Epidemiology staff for follow up.

Turn Around Time: Routinely tested each week.

CPT Code: none
Price: Fee Waived

Transport Temperature: Ambient

***Escherichia coli* O157 Culture Isolation/Identification**

Specimen Requirements: Stool specimen in Cary-Blair transport, or other commercial enteric transport media, or culture isolate submitted in Cary Blair transport or on solid media.

For public health surveillance, please submit all isolates of *E. coli* O157 to the laboratory. See Enteric Isolate Surveillance.

Turn Around Time: 2 to 4 working days. Positive results are telephoned to the submitter.

CPT Code: 87046 (Culture ID)

Price: \$13.75

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C for stool, ambient for isolates

***Escherichia coli* Shiga-Like Toxin Assay (Enterohemorrhagic *E. coli*, EHEC or STEC) by EIA**

Specimen Requirements: Stool specimen in Cary-Blair transport, or other commercial enteric transport media, or *Escherichia coli* isolate submitted in Cary Blair transport or on solid media.

EHEC is also performed on all routine enteric panels.

Turn Around Time: 2 to 4 working days. Positive results are telephoned to the submitter. Stools with positive toxin tests will be further cultured to isolate and identify the toxin-producing organism.

CPT Code: 87449

Price: \$23.75

Transport Temperature: 2-8°C

Paratyphoid Fever (see *Salmonella* spp.)

***Salmonella* spp. (including *S. typhi*) Culture Isolation/Identification**

Specimen Requirements: Stool in Cary-Blair transport or other commercial enteric transport media, or isolate in Cary Blair transport or on solid media. See Enteric Panel for specific instructions.

Biochemically confirmed *Salmonella* spp. will be serotyped for epidemiologic purposes at no additional cost.

For public health surveillance, please submit all isolates of *Salmonella* spp. to the laboratory. See Enteric Isolate Surveillance.

Turn Around Time: 2 to 4 working days. Positive identification results are telephoned to the submitter.

CPT Code: 87045 (Culture ID)

Price: \$13.75

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C for stool, ambient for isolates

***Shigella* spp. Culture Isolation/Identification**

Specimen Requirements: Stool in Cary-Blair Transport, or other commercial enteric transport media, isolate in Cary Blair transport or on solid media. See Enteric Panel for specific instructions.

For public health surveillance, please submit all isolates of *Shigella* spp. to the laboratory. See Enteric Isolate Surveillance.

Turn Around Time: 2 to 4 working days. Positive results are telephoned to the submitter.

CPT Code: 87045 (Culture ID)

Price: \$13.75

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C for stool, ambient for isolates

Stool Culture (see Enteric Panel)

STEC (see *Escherichia coli* Shiga-Like Toxin Assay or Enteric Panel)

Typhoid Fever (see Enteric Panel or *Salmonella spp.*)

***Vibrio spp.* Culture Isolation/ Identification**

Specimen Requirements: Stool in Cary-Blair transport, or other commercial enteric transport media, or isolate submitted in Cary-Blair transport or on solid media. Specify agent on request form.

Turn Around Time: 2 to 4 working days. Positive results are telephoned to the submitter.

CPT Code: 87046 (Culture ID)

Price: \$13.75

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C for stool, ambient for isolates

***Yersinia enterocolitica* Culture Isolation/Identification**

Specimen Requirements: Stool in Cary-Blair transport, or other commercial enteric transport media, or isolate submitted in Cary-Blair transport or on solid media. Specify agent on request form.

Turn Around Time: 2 to 4 working days. Positive results are telephoned to the submitter.

CPT Code: 87046 (Culture ID)

Price: \$13.75

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C for stool, ambient for isolates